

ATC FliteWare

An Aviation Training Library for Use With ATC-610 Flight Simulators



Volume 1-New York and New Jersey (Supplied with all ATC-610 series simulators)

<u>Tape No./Proficiency</u>	<u>Description</u>
Introduction/	Discusses the operating characteristics of the simulator and provides a method of testing the simulator.
CLR/WX/	Clearance and weather copying exercises to provide practice in copying clearance and simplifies the understanding of weather reports.
FA-201/1	Teterboro Airport to Teterboro Airport, Teterboro, New Jersey. Practice approaches. ADF tracking, VOR tracking, and intersection holding pattern. VOR/DME approach. Missed approach. Resequencing. ILS approach.
FA-202/2	Monmouth County Airport, Belmar to Mercer County Airport, Trenton, New Jersey. VOR tracking, VOR holding pattern, and ILS approach.
FA-203/1	Teterboro Airport, Teterboro, New Jersey, to Westchester County Airport, White Plains, New York. VOR tracking, DME ARC, and VOR/DME approach.
FA-204/3	Mercer County Airport, Trenton, New Jersey, to Morristown Municipal, Morristown, New Jersey. VOR tracking, ADF tracking, and NDB approach.

Volume 2-Illinois

FA-205/1	Joliet Municipal to Greater Rockford Airport, Rockford, Illinois. VOR tracking. ILS approach. Missed approach. VOR holding pattern. VOR approach.
FA-206/1	DuPage County Airport to Chicago Midway Airport, Chicago, Illinois. VOR tracking and ILS approach. Missed approach. Intersection holding pattern. VOR/DME approach.
FA-207/1	DuPage County Airport, Chicago, Illinois to Pal-waukee Airport, Chicago, Illinois. Localizer back course departure. ADF tracking, VOR tracking, and DME Arc. Localizer back course approach.
FA-208/2	Chicago Midway Airport to DuPage County Airport, Chicago, Illinois. VOR tracking and VOR/DME approach. Missed approach. Diversion to Chicago-O'Hare International. ATIS. NDB approach.
FA-209/3	Pal-Waukee Airport to Joliet Municipal, Joliet, Illinois. VOR tracking and VOR holding pattern. VOR approach.
FA-210/1	Pal-Waukee Airport to DuPage County Airport and Chicago-O'Hare International Airport, Chicago, Illinois. Localizer back course departure. VOR tracking, DME ARC, and ILS approach. Missed approach. Diversion to O'Hare. ADF holding pattern. Localizer back course approach.

Volume 3- California

FA-211/3	Riverside Airport to Van Nuys Airport, Los Angeles, California. VOR tracking and NDB approach.
FA-212/2	Ontario International Airport, Ontario, California to Los Angeles International, Los Angeles, California. VOR tracking. Localizer holding pattern. ILS approach.
FA-213/1	Riverside Airport, Riverside to Ontario International, Ontario, California. ADF tracking and ADF holding pattern. ILS approach. Missed approach. Diversion to El Monte Airport, El Monte, California. Localizer back course approach.
FA-214/1	Van Nuys Airport, Los Angeles to El Monte Municipal, El Monte, California. VOR tracking. DME ARC. Localizer holding pattern. VOR approach.
FA-215/2	Los Angeles International to El Monte Municipal Airport, El Monte, California. Localizer back course departure. ADF tracking. Diversion enroute to Ontario International Airport. VOR holding pattern. VOR approach.
FA-216/1	General William J. Fox Airfield, Lancaster, California to Van Nuys Airport, Los Angeles, California. VOR tracking. Enroute intersection holding pattern. ILS approach. Missed approach. Intersection holding pattern. VOR approach.

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Coordinated Instrument Rating Program, Series 2A,
for use with the ATC-610 Series Flight Simulators

Lesson/Volume

- 1/1 Instrument Scan- Proper scan technique for achieving and maintaining straight and level flight, constant airspeed climbs and descents, and standard rate turns.
- 2/1 Basic Maneuvers- Review of previous lesson. Proper scan techniques for climbing and descending turns, and all conceivable combinations.
- 4/1 Configuration Changes- Review of previous lessons. Transition from cruise to approach speed. Descent at approach speed. Transition from approach descent to straight and level flight. Transition from approach descent to missed approach climb.
- 5/1 A and B Patterns- Review of all basic instrument flight maneuvers. Incorporates instrument maneuvers into Alpha and Bravo patterns.
- 7/1 ADF Orientation- ADF bearing, ADF navigation terms. Bracketing and tracking an ADF course. Indicators of station passage. ADF homing and interception. Excessive drift tracking.
- 8/1 VOR Introduction-DME ARCS- VOR system, VOR navigation terms, VOR orientation, interception, and tracking. Station passage and outbound tracking. Obtaining a fix. "Turn Ten Tune Ten" DME ARC procedure.
- 10/2 Localizer Tracking- Review of ADF orientation, intercepts, and tracking. Localizer tracking using normal needle sensing and reverse needle sensing.
- 12/2 ADF, VOR, and Localizer Holding- Review of ADF, VOR, and localizer intercepting and tracking. Standard and non-standard holding patterns at various NavAids using direct, parallel, and teardrop entries.
- 13/2 ADF Holding and NDB Approaches- Review of ADF holding. Introduction of NDB approaches with emphasis on initial approach fix, initial approach segment, procedure turn, intermediate and final approach segments, including missed approach procedures.
- 15/2 VOR and DME Procedures, VOR Approaches- Review of VOR orientation, tracking, and DME Arcs. Initial, intermediate, and final approach segments of the VOR approach and VOR/DME approach, including missed approach procedures.
- 16/2 ILS and Localizer Approaches- Review of localizer tracking, holding, and approach procedures. Dissection of approach plates. ILS 36 approach at Teterboro Airport. ILS 29 approach at Monmouth County Airport.
- 18/2 Cross-Country Procedures- Cross-country flight from Monmouth County Airport, Belmar, New Jersey to Mercer County Airport, Trenton, New Jersey. VOR tracking and VOR holding pattern. ILS approach. With pilot response and explanation and without pilot response.
- 19/3 Cross-Country Procedures- Mercer County Airport, Trenton, New Jersey to Morristown Municipal Airport, Morristown, New Jersey. ADF tracking. NDB approach. With and without pilot responses.
- 21/3 Emergency Operations- Review of basic instrument flight maneuvers. Pattern Bravo. 1/2 standard rate and 45 steep bank turns. Attitude Gyro failure. Critical attitude and stall recoveries.
- 22/3 Emergency and Terminal Operations- Review of previous lessons. DF operations. No gyro approaches. Lost communication procedures.
- 24/3 Instrument Approaches- VOR/DME, ILS, and ADF. Localizer back course approaches all flown at Teterboro Airport, Teterboro, New Jersey.
- 26/3 Review of Cross-Country Procedures- Westchester County Airport, White Plains, New York to Morristown Municipal, Morristown, New Jersey. Back course departure. VOR tracking, ADF tracking, and NDB approach. Missed approach. Resequencing. NDB approach.
- 27/3 Review of Cross-Country Procedures-Teterboro Airport to Westchester County, White Plains, New York, to return to Teterboro. VOR tracking, DME ARC, and VOR/DME approach. ADF tracking. Re-routing. VOR tracking. Intersection holding pattern. VOR/DME approach.

